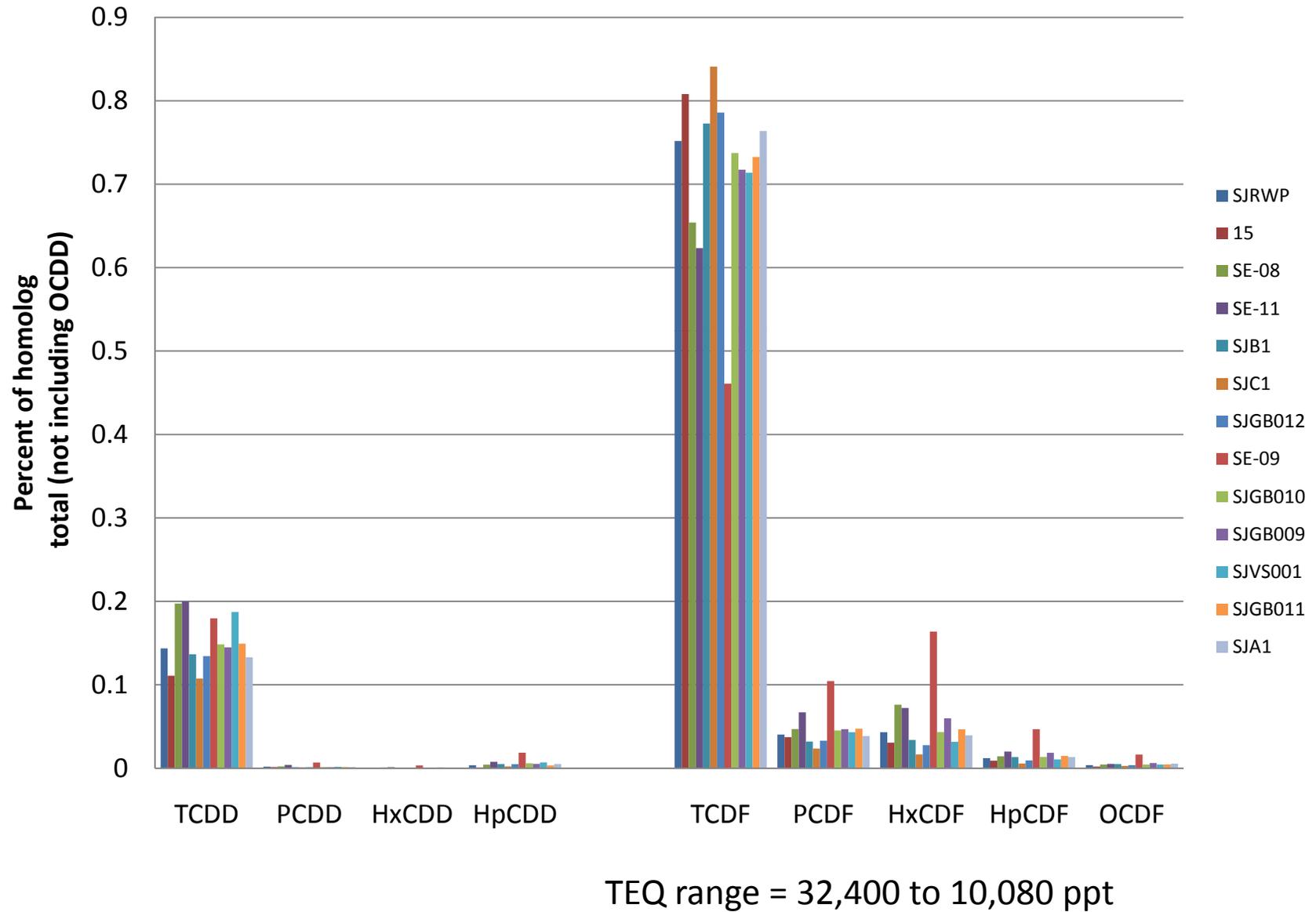


# Dioxin Fingerprinting in the HSC

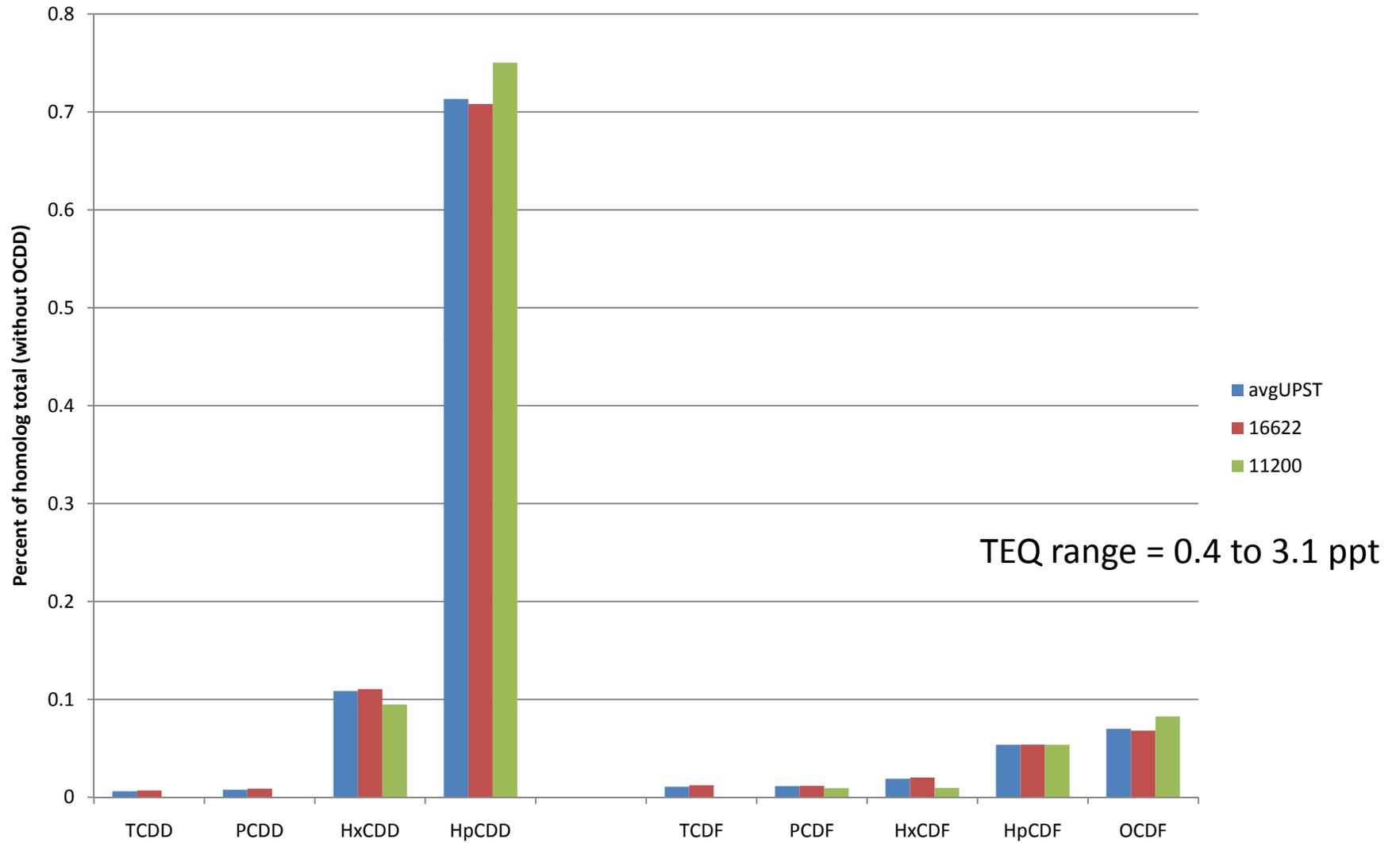
# Objectives

- Compare dioxin fingerprints from several areas of the HSC to the SJRWP superfund site:
  - Patrick Bayou superfund site
  - HSC from Sims Bayou to Tucker Bayou
  - Burnett Bay
  - Scott Bay
  - San Jacinto Bay
  - Galveston Bay along the HSC

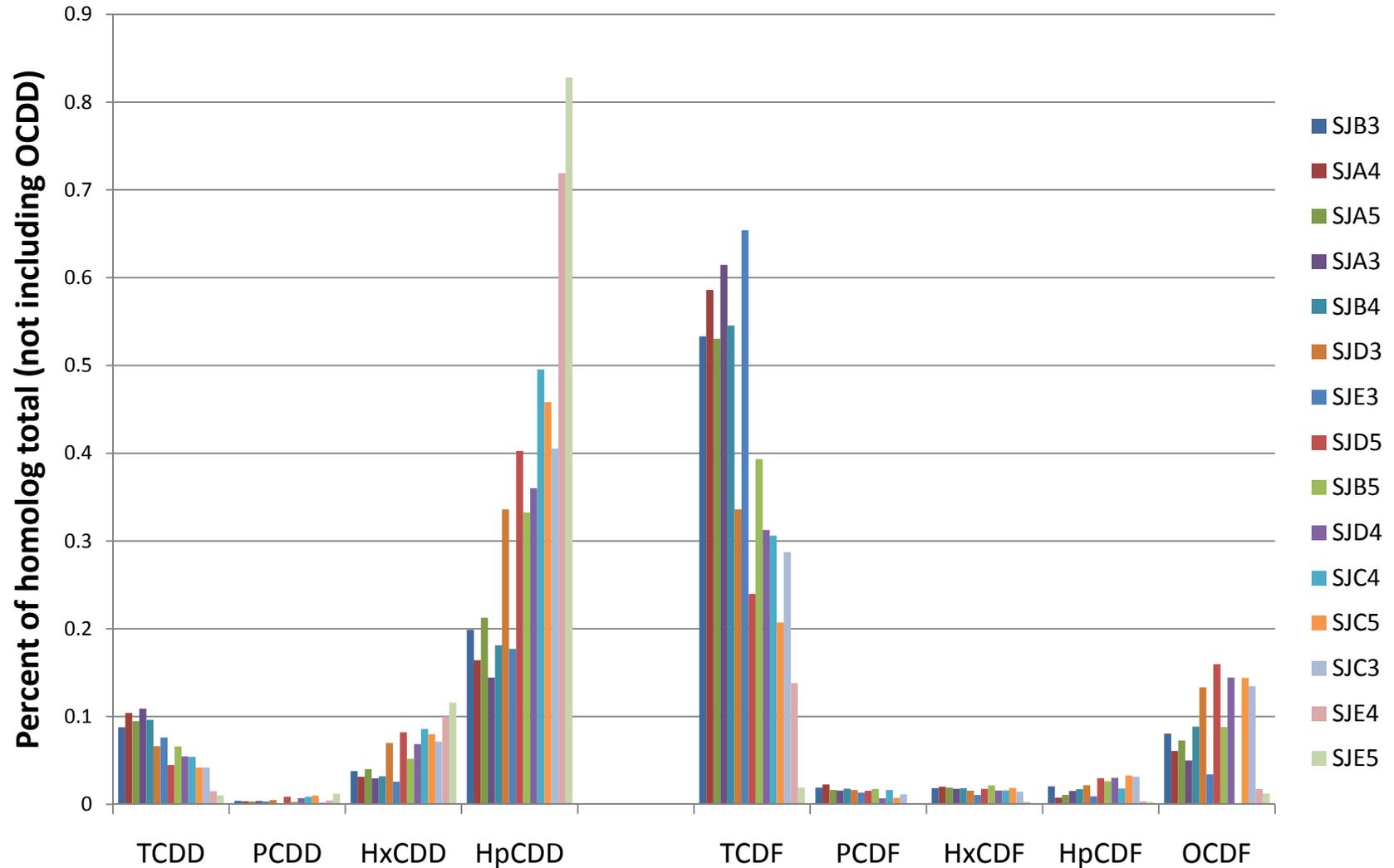
## SJRWP Dioxin Fingerprint



## Dioxin Fingerprint for Samples in Upstream portion of SJR



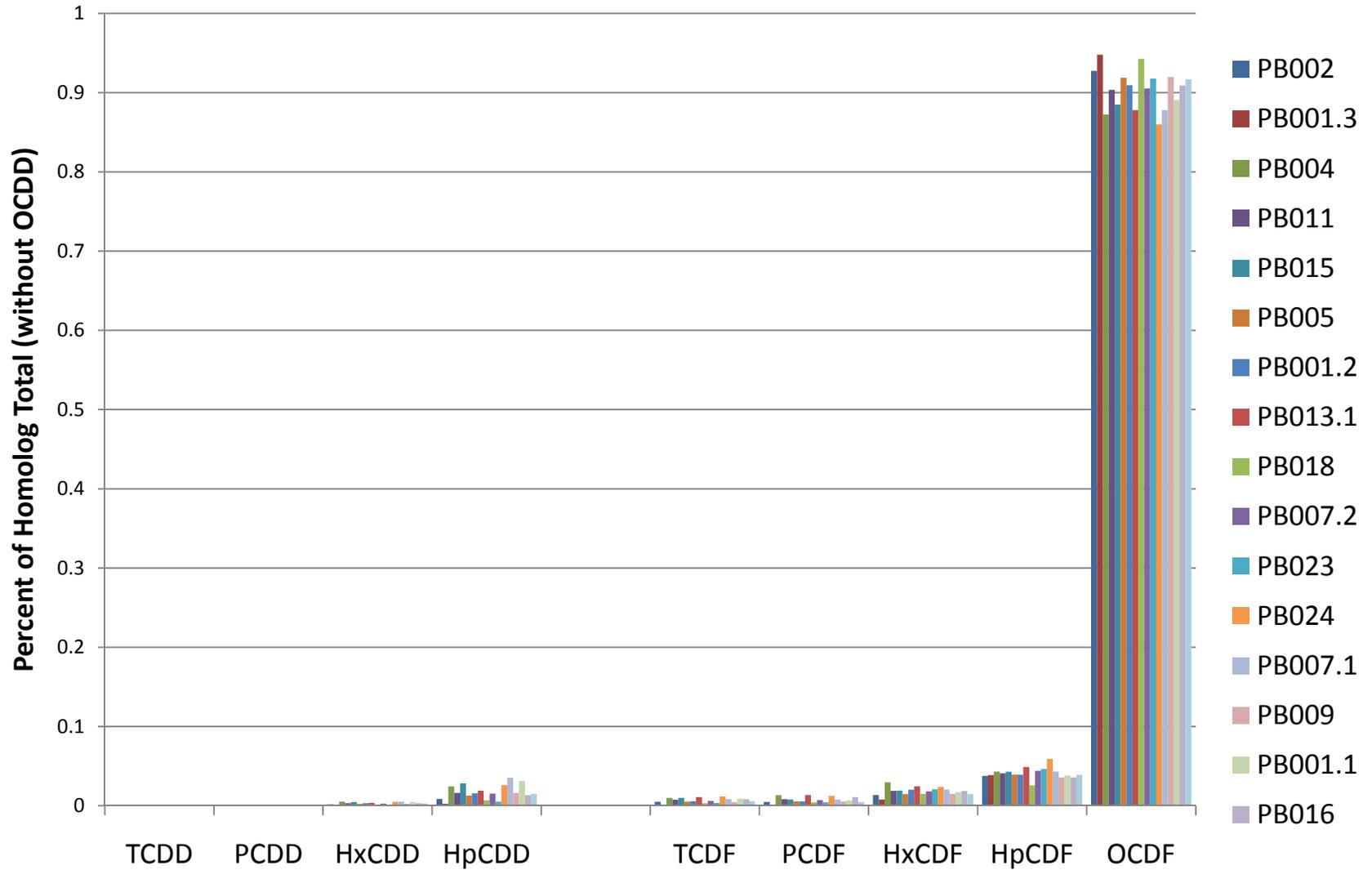
## Dioxin Fingerprint for samples near pit



# Patrick Bayou

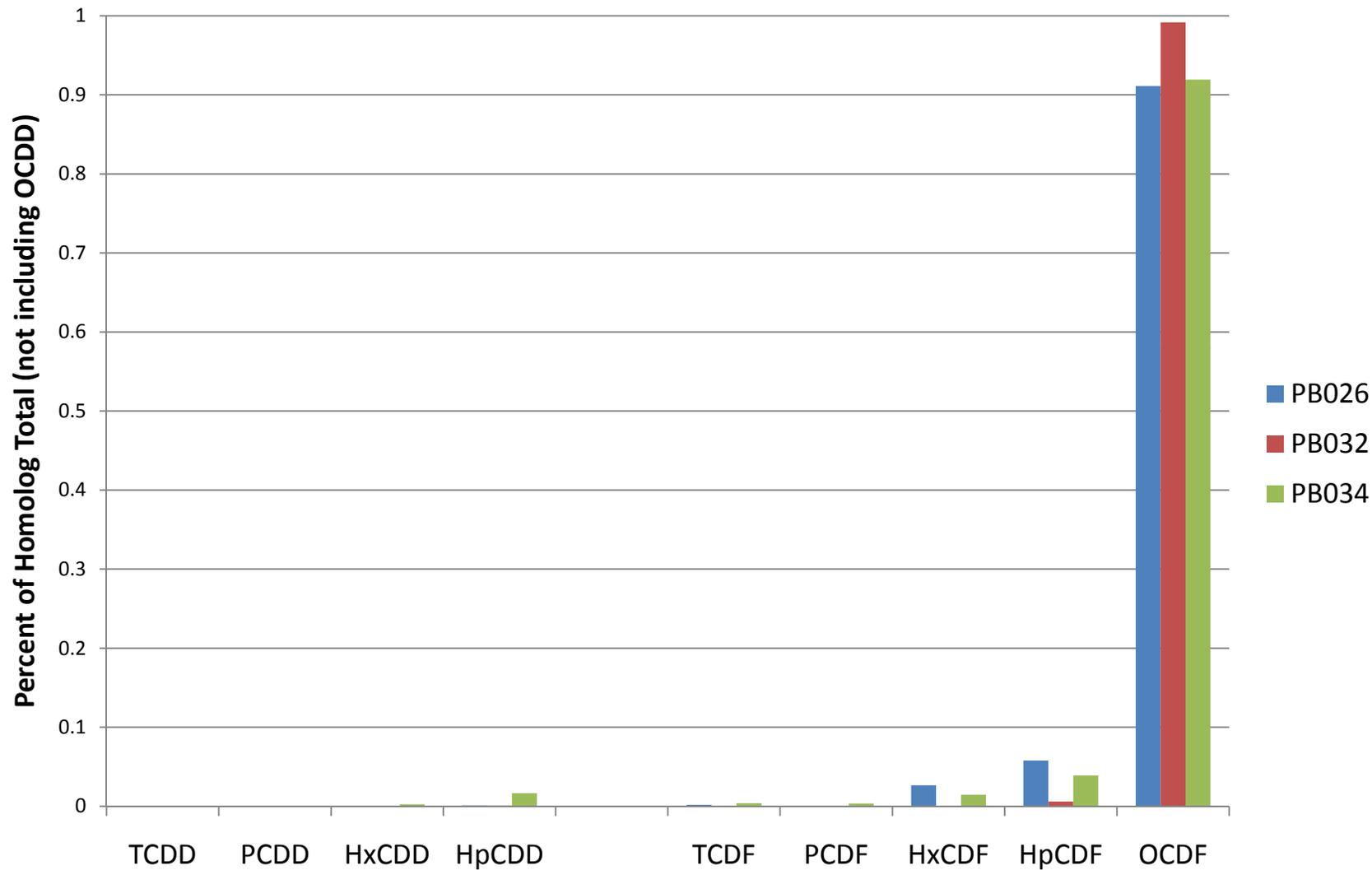
- 60 stations
- TEQ range: 0.2 to 2224 ppt
  - Average TEQ = 133 ppt (Median = 73 ppt)
- Several different fingerprints

# Lower Patrick Bayou



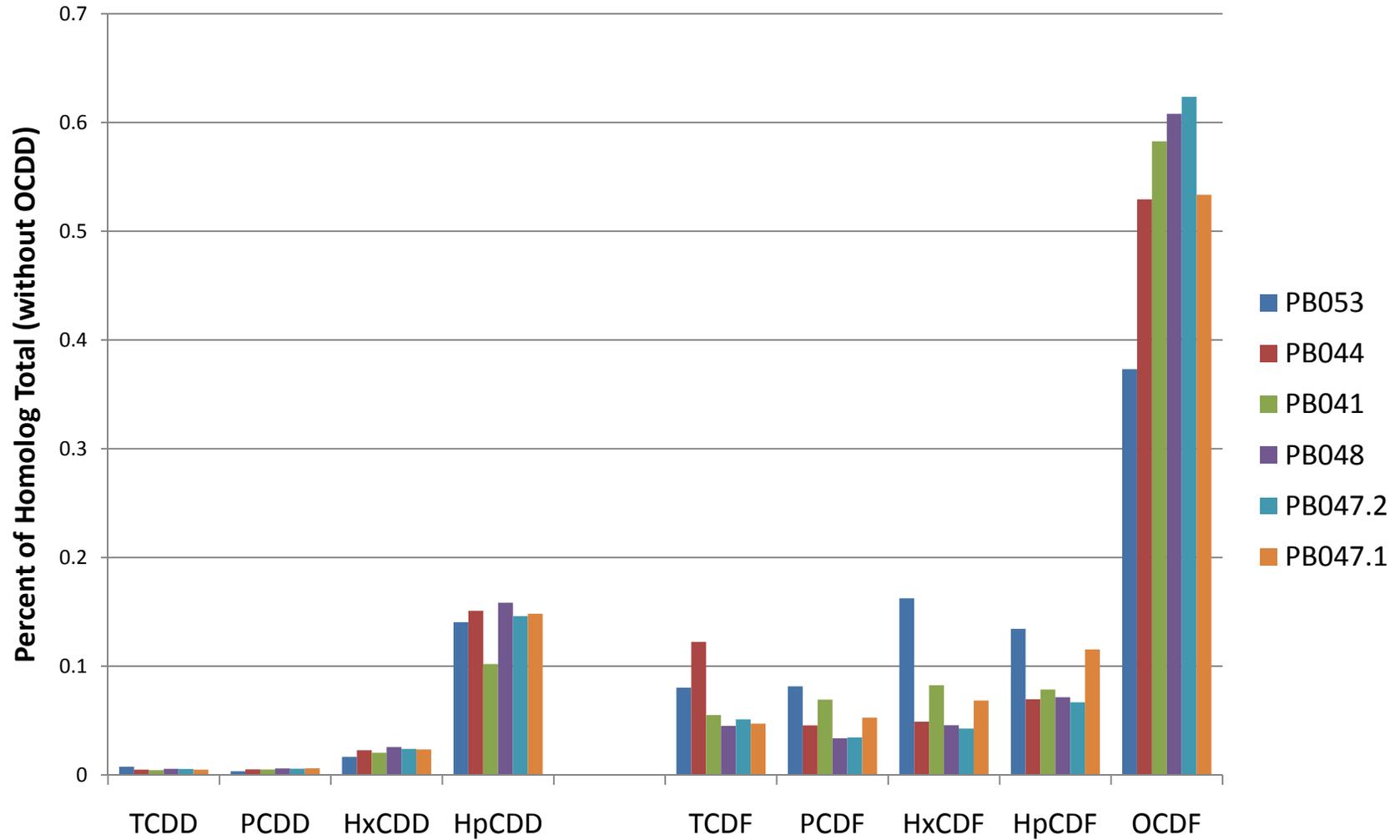
TEQ range = 272 to 101 ppt

# Patrick Bayou Fingerprint



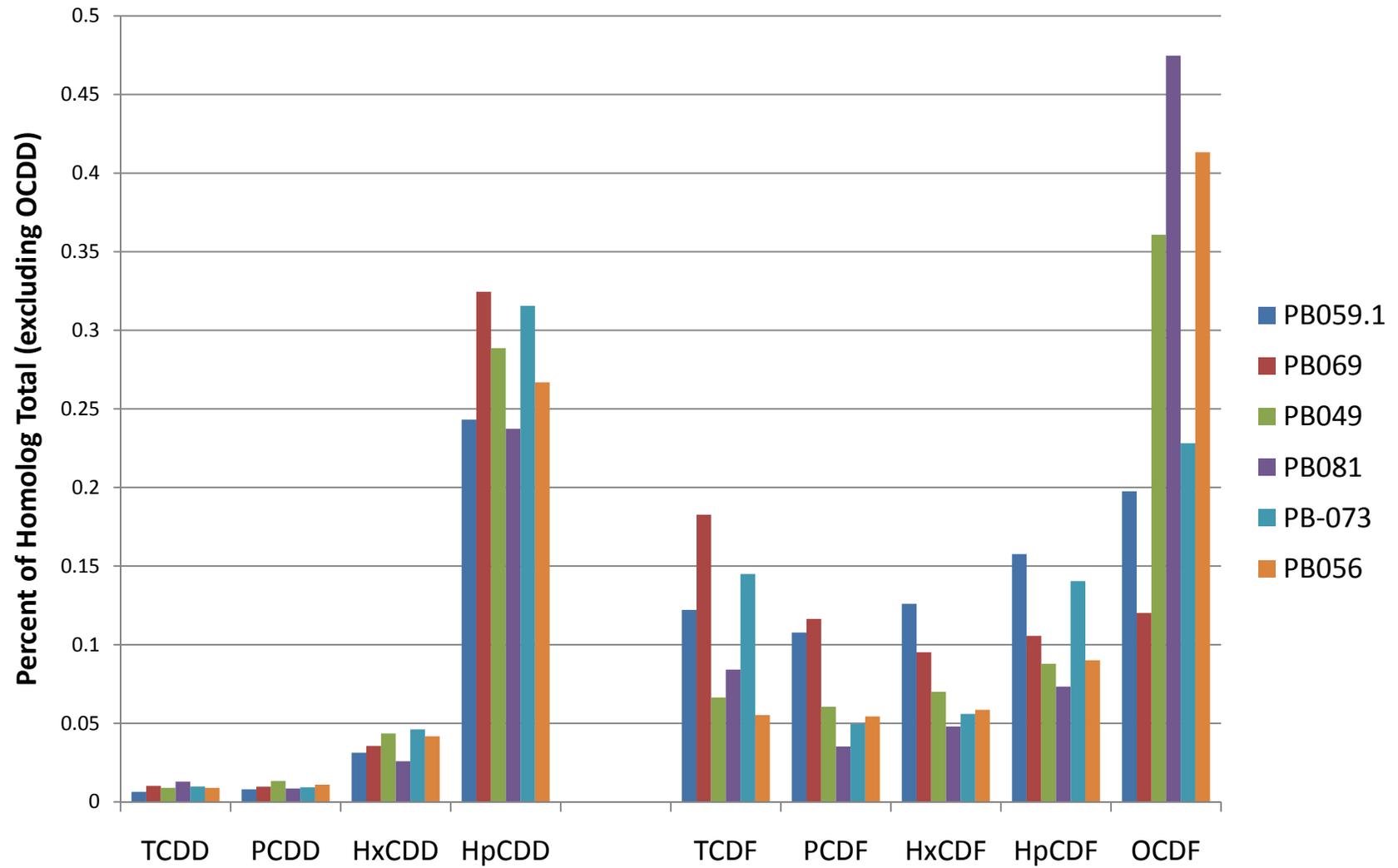
TEQ = 2224, 756, & 356 ppt

# Middle Patrick Bayou



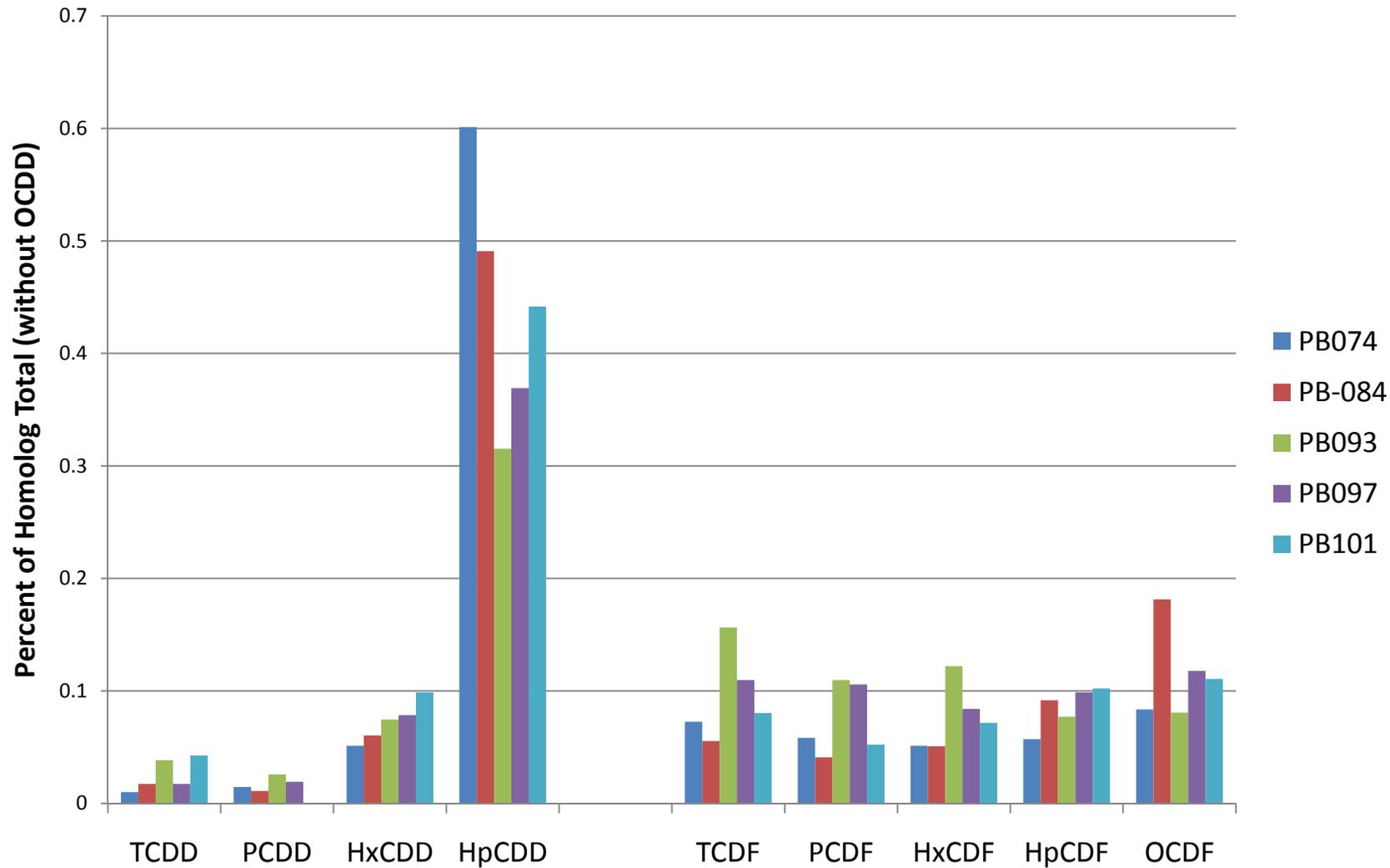
TEQ range = 610 to 81 ppt

# Middle Patrick Bayou



TEQ range = 97 to 47 ppt

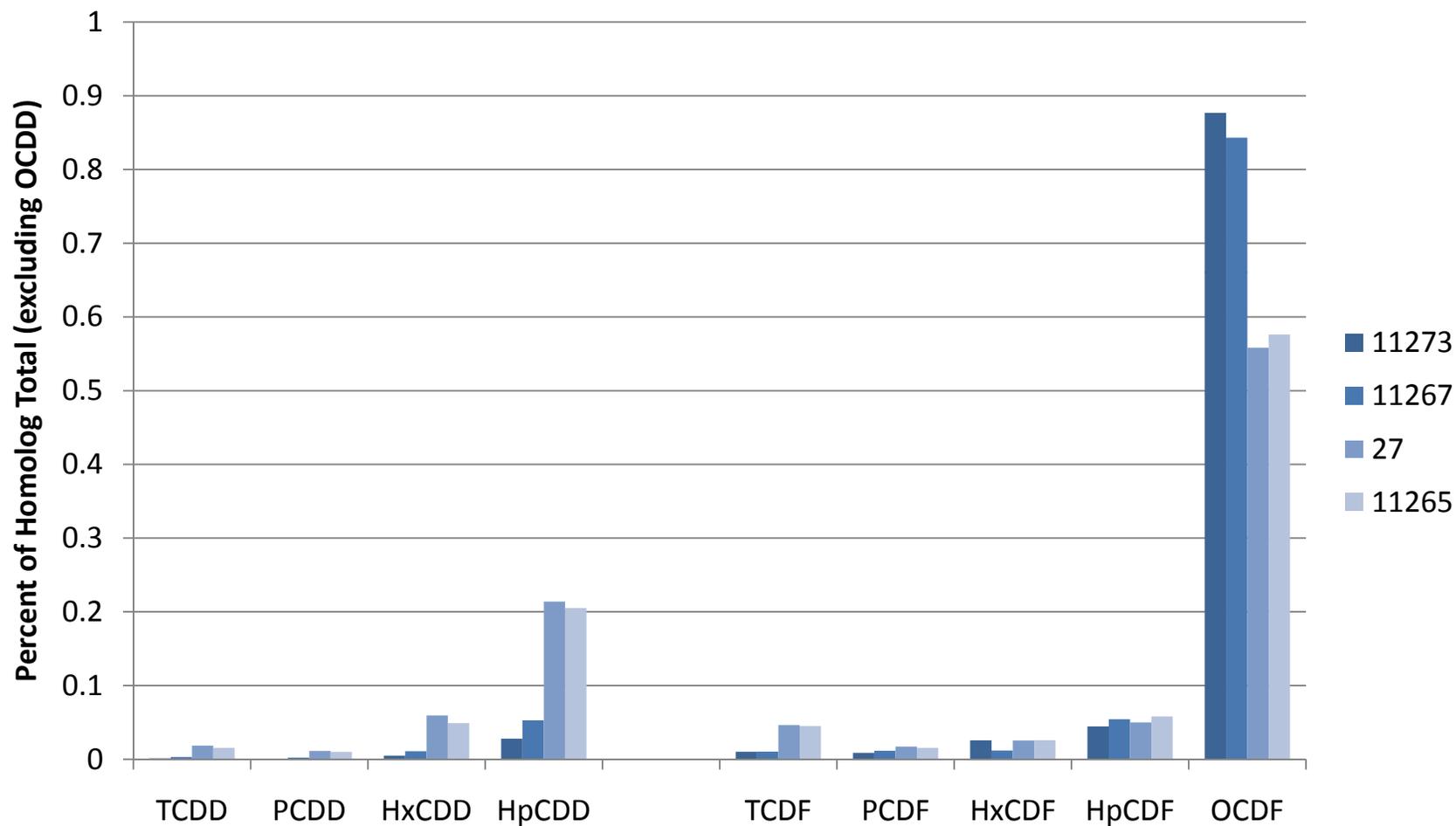
# Patrick Bayou Upstream



TEQ all below 8.3 ppt

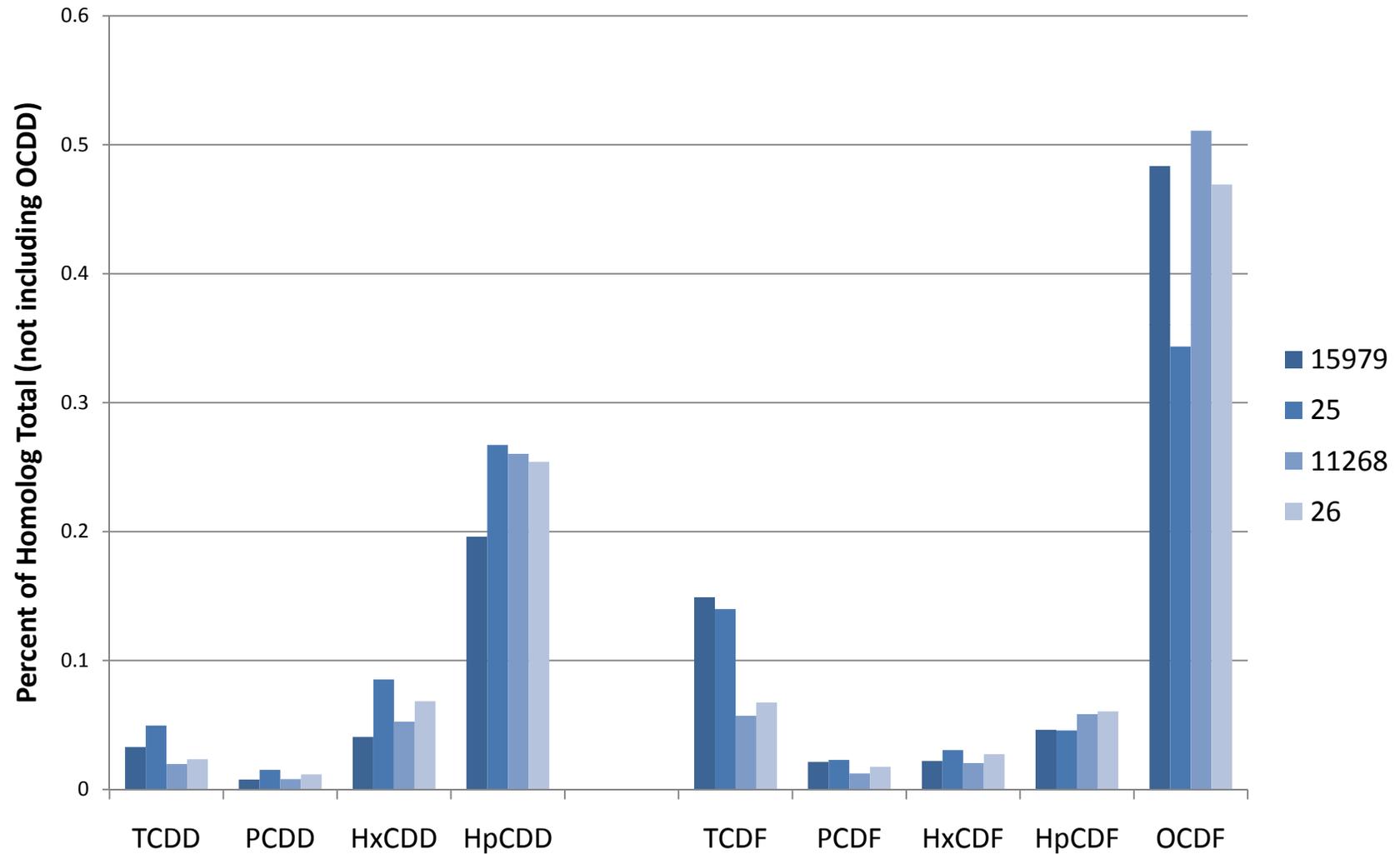
# HSC from Sims Bayou to Tucker Bayou

# Lower Segment 1006 - Patrick Bayou to Tucker Bayou



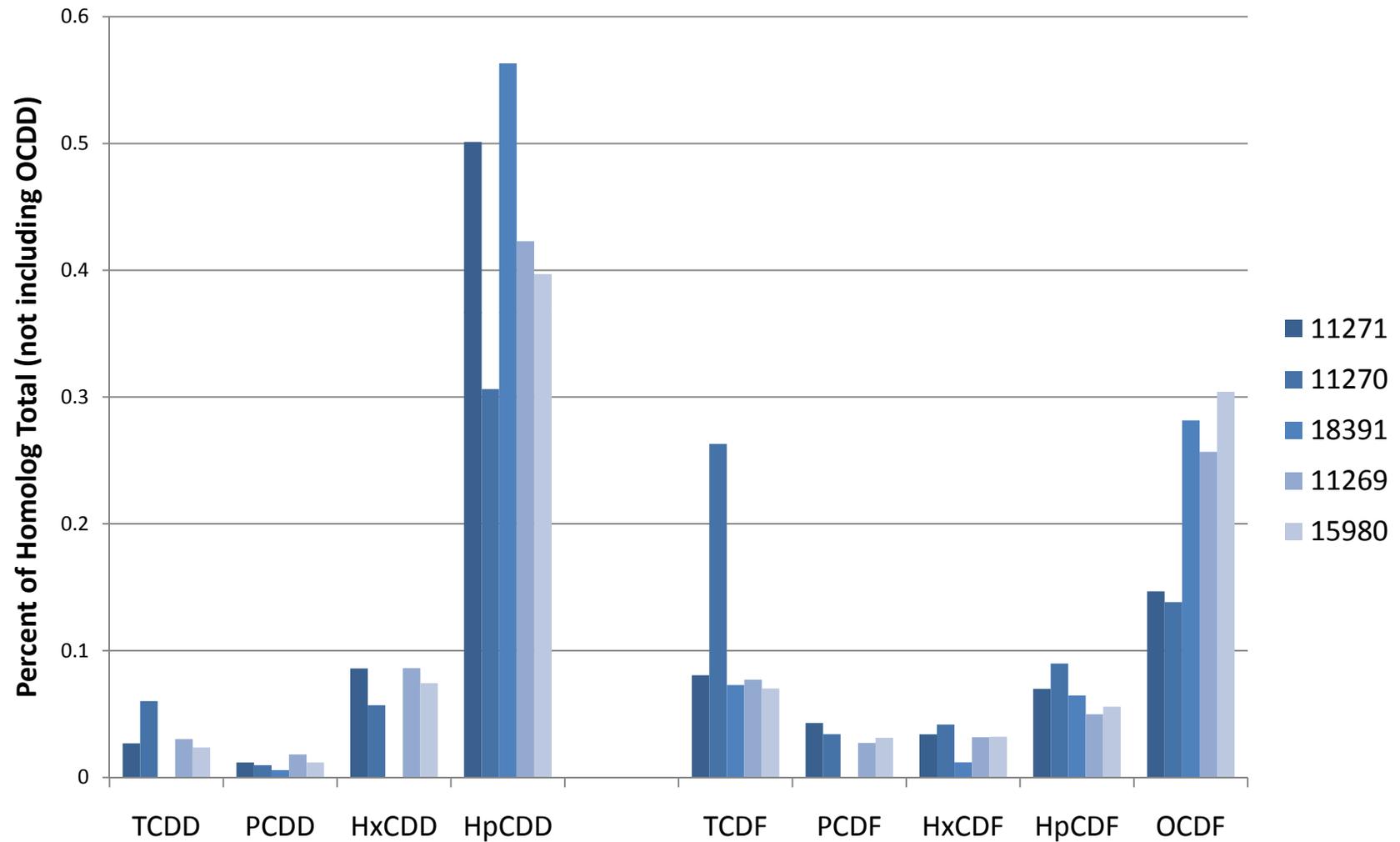
TEQ range = 159 to 22 ppt

# Middle Segment 1006 - Barge Slip to Patrick



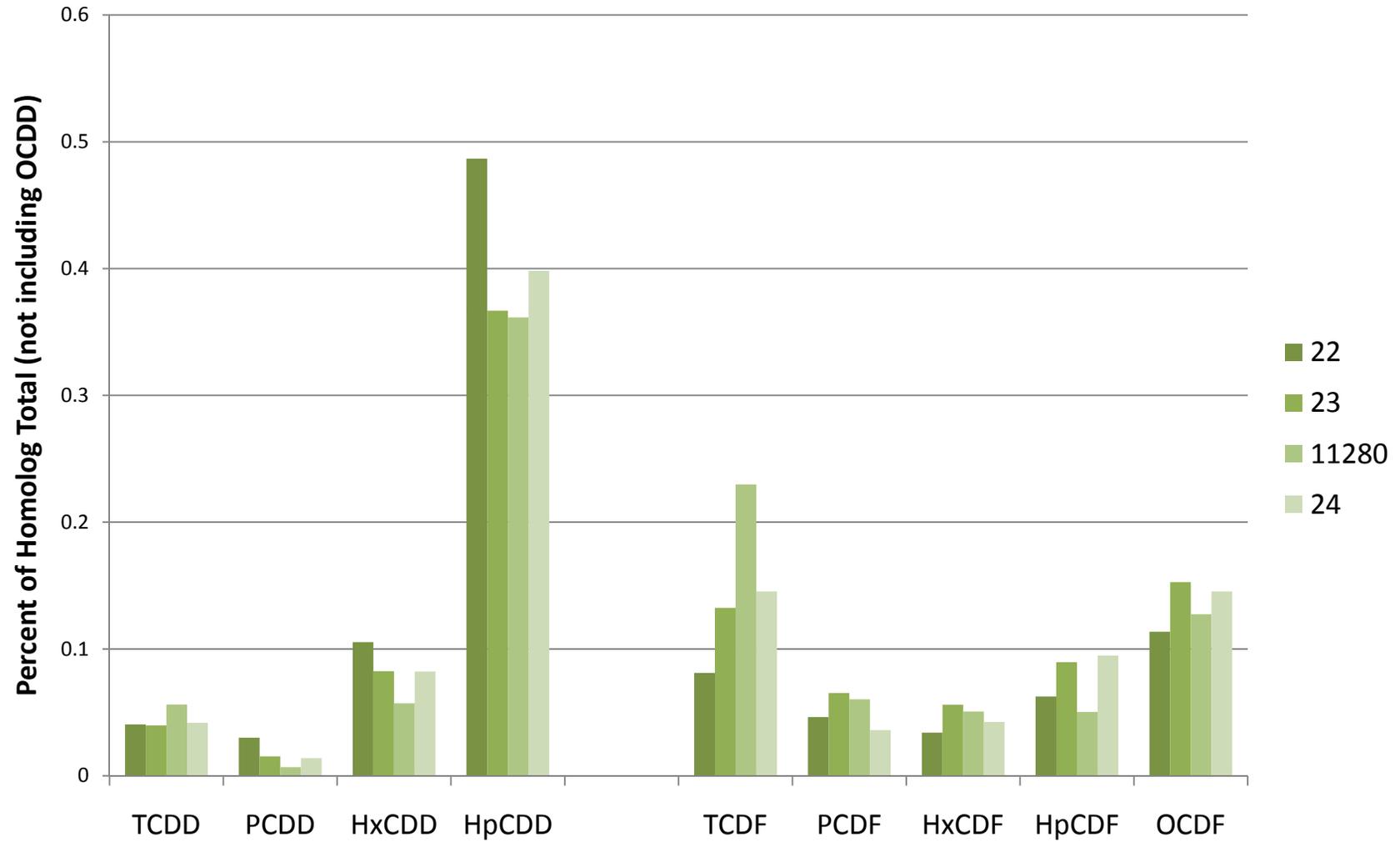
TEQ range = 71 to 21 ppt

## Upper Segment 1006 - Greens to Barge Cut



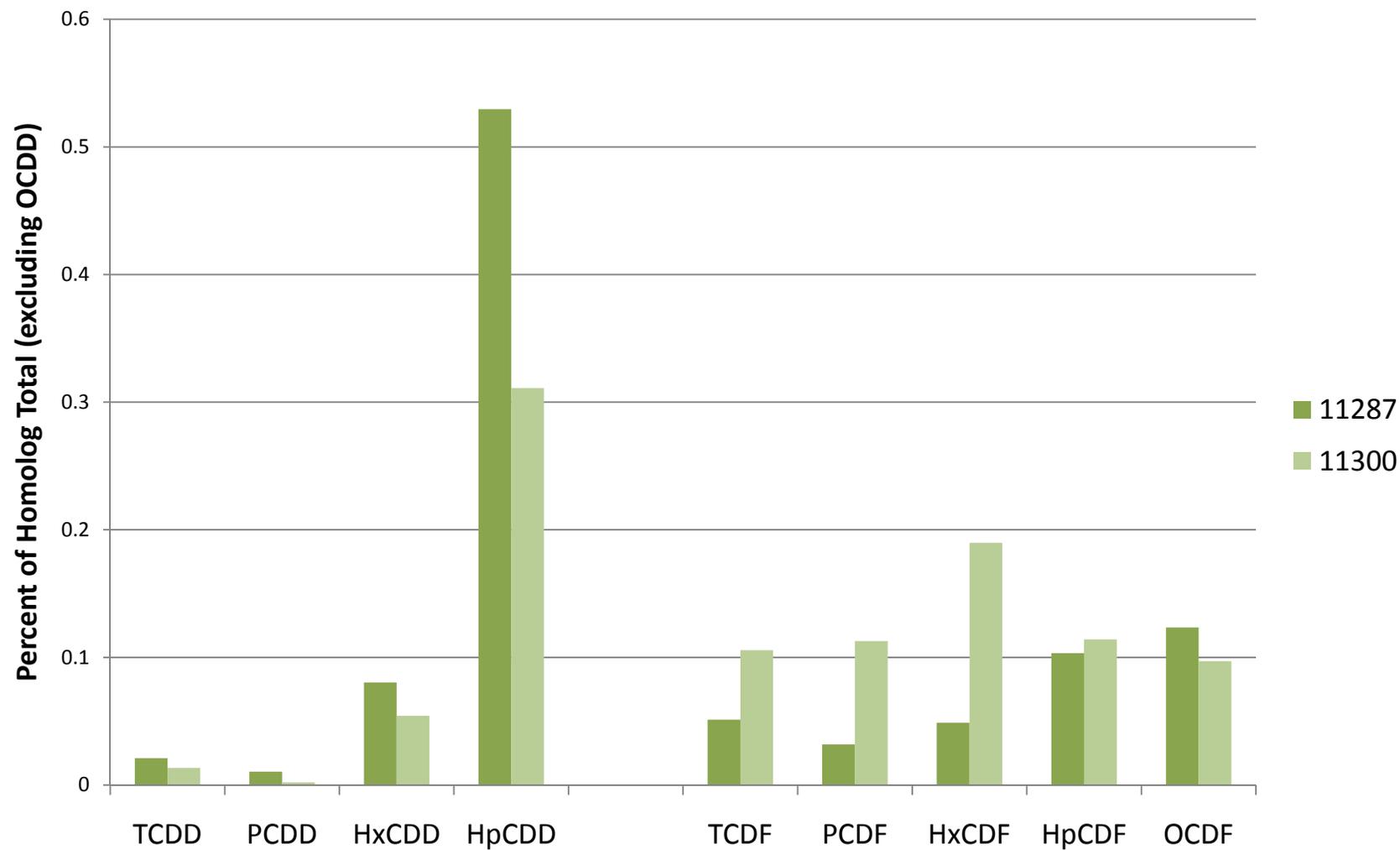
11270 TEQ = 74 ppt, Others < 24 ppt

## Lower 1007 - Hunting to Greens



11280 TEQ = 194 ppt, others < 63 ppt

## Middle 1007 - Sims and Vince Bayou



11287 TEQ = 14 ppt, 11300 TEQ = 84 ppt